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Claims:

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1. A recess within a wall of an expandable tubular, the recess comprising at least one arcuate wall, the recess serving as a housing for one or more of the following: control lines, instrumentation lines, fiber optics, and downhole sensors.

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- 2. The recess of claim 1, wherein said wellbore includes an open hele-portion state that said expandable tubular is expanded into substantial contact with the formation.
- 3. The recess of claim 1, wherein said wellbore defines a cased hole completion such that said expandable tubular is expanded into substantial contact with the casing.
- 4. The recess of claim 2, wherein said recess comprises:
 - a first arcuate wall having a first end and a second end; and
 - a second wall having a first end and a second end, said first and second ends of said first and second walls being connected so as to define a housing between said first and second walls.
- 5. The recess of claim 6, wherein said first and second walls are connected at first and second opposite points.
- 6. The recess of claim 6, wherein said first and second walls are connected by first and second opposite end walls.
- 7. The recess of claim 1, wherein said expandable downhole tubular is a sand screen for use in a wellbore within a formation.
- 8. The recess of claim 7, further comprising a filler material to aid in holding the one or more of the following: control lines, instrumentation lines, fiber optics, and downhole sensors, within said recess.
- 9. The recess of claim 7, wherein said first and second walls are both arcuate.

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The recess of claim 1 further comprising an encapsulation within said recess, the recess serving as a housing for one or more of the following: control lines, instrumentation lines, fiber optics, and downhole sensors, which reside within said encapsulation, the encapsulation comprising:

a first arcuate wall having a first end and a second end; and

a second wall having a first end and a second end, said first and second ends of said first and second walls of said encapsulation being connected so as to define a housing between said first and second walls of said encapsulation.

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- 11. The recess of claim 10, wherein said expandable downhole tool is a sand screen for use in a wellbore within a formation.
- 12. The recess of claim 11, wherein said wellbore includes an open hole portion such that the sand screen is expanded into substantial contact with the formation.
- 13. The recess of claim 11, wherein said wellbore defines a cased hole completion such that said sand screen is expanded into substantial contact with the casing.
- 14. The recess of claim in wherein said sand screen comprises a perforated base pipe layer, a filtering media rayer around said base pipe layer, and a perforated outer shroud around said filtering media layer, and wherein said recess resides within said outer shroud.

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15. The recess of claim 11, wherein said encapsulation is fabricated from a deformable material.

- 16. The recess of claim 15, wherein said encapsulation further serves as a housing for at least one metal tubular, said at least metal tubular housing said one or more of the following: control lines instrumentation lines and downhole sensors.
- 17. The ecess of claim 16, further comprising a filler material to aid in holding the one or more of the following: control lines, instrumentation lines, fiber optics, and

downhole sensors, within said encapsulation.

The recess of claim 11, wherein said encapsulation defines a croscent shape.

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